

2008 Daily Values

MERAMEC RIVER AT ARNOLD, MO (MEAR/MR AR)

Location: LAT. 38-27-24, LONG. 90-21-38, T. 43 N., R. 6 E., AT THE ST. LOUIS JEFFERSON COUNTY LINE, ON US ROUT 61-67, ON DOWNSTREAM SIDE OF CENTER PIER AT MILE 6.0.

Gage: SERVO-MANOMETER WITH DATA LOGGER TELEMETRY. OWNED AND OPERATED BY ST. LOUIS DISTRICT, CORPS OF ENGINEERS. MAINTAINED IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY.

General Information: DRAINAGE AREA, 3930 SQUARE MILES. FLOOD STAGE, 24.0 FEET.

Records Available: STAGE, 1983 TO DATE, IN FILES OF THE CORP OF ENGINEERS. ADDITIONAL DATA IN FILES OF THE NATIONAL WEATHER SERVICE.

Mean Stage: PERIOD OF RECORD, 12.42 FT .

Extreme Stage: PERIOD OF RECORD, DAILY HIGH OF 45.30 FT ON 01 AUG 1993 & PERIOD OF RECORD, DAILY LOW OF 0.90 FT OCCURRING ON MULTIPLE DATES WITH THE MOST RECENT ON 20 APR 1996 .

Zero Gage Datum: 373.21 ft NGVD. NOTE: ADD DATUM TO STAGE TO OBTAIN ELEVATION.

ALL VALUES RECORDED AT 8AM. STAGE IN FT:

|  | Month |       |       |      |     |      |     |     |      |     |      |     |
|--|-------|-------|-------|------|-----|------|-----|-----|------|-----|------|-----|
| Day  | Jan   | Feb   | Mar   | Apr  | May | Jun  | Jul | Aug | Sep  | Oct | Nov  | Dec |
| 1  | 6.60  | 6.45  | 10.98 |      |     |      |     |     |      |     |      |     |
| 2  | 6.54  | 6.42  | 10.38 |      |     |      |     |     |      |     |      |     |
| 3  | 6.50  | 6.44  | 10.67 |      |     |      |     |     |      |     |      |     |
| 4  | 6.46  | 6.44  | 14.55 |      |     |      |     |     |      |     |      |     |
| 5  | 6.46  | 6.66  | 18.70 |      |     |      |     |     |      |     |      |     |
| 6  | 6.46  | 9.84  | 22.85 |      |     |      |     |     |      |     |      |     |
| 7  | 6.43  | 14.25 | 23.52 |      |     |      |     |     |      |     |      |     |
| 8  | 7.06  | 15.36 | 22.85 |      |     |      |     |     |      |     |      |     |
| 9  | 9.06  | 15.77 | 21.82 |      |     |      |     |     |      |     |      |     |
| 10   | 12.24 | 12.72 | 19.76 |      |     |      |     |     |      |     |      |     |
| 11   | 13.00 | 10.82 | 17.26 |      |     |      |     |     |      |     |      |     |
| 12   | 13.14 | 9.17  | 15.09 |      |     |      |     |     |      |     |      |     |
| 13   | 12.54 | 8.47  | 13.59 |      |     |      |     |     |      |     |      |     |
| 14   | 11.54 | 8.16  | 12.74 |      |     |      |     |     |      |     |      |     |
| 15   | 10.25 | 8.48  | 13.06 |      |     |      |     |     |      |     |      |     |
| 16   | 8.89  | 8.22  | 13.42 |      |     |      |     |     |      |     |      |     |
| 17   | 8.43  | 8.58  | 14.37 |      |     |      |     |     |      |     |      |     |
| 18   | 8.69  | 11.55 | 16.36 |      |     |      |     |     |      |     |      |     |
| 19   | 8.01  | 17.37 | 24.70 |      |     |      |     |     |      |     |      |     |
| 20   | 6.96  | 19.78 | 29.82 |      |     |      |     |     |      |     |      |     |
| 21   | 6.74  | 17.18 | 34.33 |      |     |      |     |     |      |     |      |     |
| 22   | 6.72  | 14.41 | 38.76 |      |     |      |     |     |      |     |      |     |
| 23   | 6.64  | 14.27 | 37.86 |      |     |      |     |     |      |     |      |     |
| 24   | 6.59  | 12.99 | 32.54 |      |     |      |     |     |      |     |      |     |
| 25   | 6.51  | 11.91 |       |      |     |      |     |     |      |     |      |     |
| 26   | 6.47  | 11.91 |       |      |     |      |     |     |      |     |      |     |
| 27   | 6.52  | 11.28 |       |      |     |      |     |     |      |     |      |     |
| 28   | 6.48  | 11.17 |       |      |     |      |     |     |      |     |      |     |
| 29   | 6.44  | 11.38 |       |      |     |      |     |     |      |     |      |     |
| 30   | 6.43  | ----  |       |      |     |      |     |     |      |     |      |     |
| 31   | 6.42  | ----  |       | ---- |     | ---- |     |     | ---- |     | ---- |     |
| The following statistics are based on observations occurring in 2008 only. |       |       |       |      |     |      |     |     |      |     |      |     |
| Mean   | 7.97  | 11.29 | 20.42 |      |     |      |     |     |      |     |      |     |
| Max  | 13.14 | 19.78 | 38.76 |      |     |      |     |     |      |     |      |     |
| Min  | 6.42  | 6.42  | 10.38 |      |     |      |     |     |      |     |      |     |
| Day  | 31    | 29    | 24    | 0    | 0   | 0    | 0   | 0   | 0    | 0   | 0    | 0   |

The Mean STAGE for the Year was: 12.67  
The Highest STAGE for the Year was: 38.76 which occured on: 03-22-2008  
The Lowest STAGE for the Year was: 6.42 which occured on: 02-02-2008 01-31-2008 The Total Number of Days for the Year was: 84

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